



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

D4017-7

Job Sheet 189973



45

DAS  
24  
9-89

Part No: D4017-7

Job Qty: 10 pcs

Part Name: Rib



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/1/19

Job Tracking No:

Due Date: 2/28/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

**Note:** DWG REV F SHEET 6 IPP RevA: new issue DD 09.11.26 verified by:EC IPP Rev:B as per dwg RevA DD 10.03.06 verified by:EC IPP Rev:C as per dwg RevB DD 10.04.16 verified by:EC IPP Rev:D as per dwg revC DD 10.08.18 verified by:EC IPP Rev:E 11.01.18 chg qc5 to 6 DD ver:EC

Ship Via:

## Bill of Materials

## Job Routing

| Op No | Operation                   | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|-----------------------------|--------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                             |        |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 100   | Large Fab - Basket - 1      | 10 pcs | 2/28/19    |          | 0.00      | 1.42    | Large Fab - 1         |           |          |
|       |                             |        |            |          |           |         | Large Fab - 10        |           |          |
|       |                             |        |            |          |           |         | Large Fab - 2         |           |          |
|       |                             |        |            |          |           |         | Large Fab - 3         |           |          |
|       |                             |        |            |          |           |         | Large Fab - 4         |           |          |
|       |                             |        |            |          |           |         | Large Fab - 5         |           |          |
|       |                             |        |            |          |           |         | Large Fab - 6         |           |          |
|       |                             |        |            |          |           |         | Large Fab - 7         |           |          |
|       |                             |        |            |          |           |         | Large Fab - 8         |           |          |
| 110   | QC 5                        | 10 pcs | 2/28/19    |          | 0.00      | 0.00    | Large Fab - 9         |           |          |
|       |                             |        |            |          |           |         | QC 5 - 10             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 12             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 17             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 18             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 19             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 22             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 24             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 3              |           |          |
|       |                             |        |            |          |           |         | QC 5 - 38             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 42             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 43             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 49             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 51             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 58             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 68             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 9              |           |          |
|       |                             |        |            |          |           |         | QC 5 - 50             |           |          |
|       |                             |        |            |          |           |         | QC 5 - 30             |           |          |
| 120   | Packaging 3-1 - Stock - B4B | 10 pcs | 2/28/19    |          | 0.00      | 0.00    | Packaging 3 - 1 - B4B |           |          |
|       |                             |        |            |          |           |         | Packaging 3 - 2 - B4B |           |          |

DAS  
40  
9-89  
APR 18 2019

Plex 2/1/19 10:44 AM Dart.lajeunesse.marie

|                |        |         |           |                 |                        |             |
|----------------|--------|---------|-----------|-----------------|------------------------|-------------|
|                |        |         |           |                 | Packaging 3 - 3 - B4B  |             |
|                |        |         |           |                 | Packaging 3 - 4 - B4B  |             |
|                |        |         |           |                 | Packaging 3 - 5 - B4B  |             |
|                |        |         |           |                 | Packaging 3 - 6 - B4B  |             |
|                |        |         |           |                 | Packaging 3 - 7 - B4B  |             |
|                |        |         |           |                 | Packaging 3 - 8 - B4B  |             |
|                |        |         |           |                 | Packaging 3 - 9 - B4B  |             |
|                |        |         |           |                 | Packaging 3 - 10 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 11 - B4B | 15          |
|                |        |         |           |                 | Packaging 3 - 12 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 13 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 14 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 15 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 16 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 17 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 18 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 19 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 20 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 21 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 22 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 23 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 24 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 25 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 26 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 27 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 28 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 29 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 30 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 31 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 32 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 33 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 34 - B4B |             |
|                |        |         |           |                 | Packaging 3 - 35 - B4B |             |
| 130 QC 21 - SA | 10 pcs | 2/28/19 | 0.00 0.00 | QC 21 - SA - 21 | DAG                    | APR 10 2019 |
|                |        |         |           | QC 21 - SA - 70 | 21<br>9-89             |             |

Part Op 100 - (Fabricate per Drwg)  
 Descriptions: 110 - QC5- Inspect part completeness to step on W/O)  
 120 - (Identify as per dwg & Stock Location: \_\_\_\_\_)  
 130 - (QC21- Final Inspection - Work Order Release)

## Job BOM

| Part / Item      | Component Name            | Quantity            | Operation                  | Container          |
|------------------|---------------------------|---------------------|----------------------------|--------------------|
| M304TS0.750W.049 | 304 Sq Tube .75X.75X.049W | .6750 ft (.0675 ea) | 100-Large Fab - Basket - 1 | 5160813<br>5155738 |

## Job Allocations

| Operation                  | Component Part   | Required | Inventory | Allocated |
|----------------------------|------------------|----------|-----------|-----------|
| 100-Large Fab - Basket - 1 | M304TS0.750W.049 | 1        | 702       | 0         |

## Part Specifications



Container No: S173533



Part: D4017-7

Job No: 189973

Serial No/Batch: S173533

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.  
 1270 Aberdeen Street  
 Hawkesbury, ON K6A 1K7  
 CANADA  
 TEL: 1 613 632-5200  
 Email: sales@dartaero.com  
 www.dartaerospace.com

0:44 AM Dart.lajeunesse.marie



Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |              |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                        |              |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        | MRB (QSI042) |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Disposition            |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Completed By           |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Lead hand / Supervisor |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | QC / QA Coordinator    |              |  |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Preservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-direction: column;"> <div> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |                        |              |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |              |  |